

## FY 2018 FAST Asset-level Data (ALD) Element & Business Rule Changes

Unless explicitly stated otherwise, all changes described below will be implemented for FY 2018 reporting. These changes are all reflected in the current revisions of the data element reference (DER) and business rules reference (BRR) documents, released August 8, 2018. The changes made to FAST's ALD elements and business rules are grouped into three broad categories:

- Changes based on the rescission of Executive Order (EO) 13693 by EO 13834, "Executive Order Regarding Efficient Federal Operations" (May 2018),
- Changes to tune existing business rules, particularly flagging rules, to better identify outliers within the fleet and to decrease the number of potentially-spurious flags being generated, and
- Changes to improve or simplify some aspect of the data and/or the reporting process.

### A - Changes Related to Rescission of EO 13693

1. [DER] Data Element S-4, EO 13693 Designation: This data element has been designated as deprecated for FY 2018 and later reporting and to be retired for FY 2020 reporting. Within this context, "deprecation" means the element can still be reported as an optional element but will largely be ignored by FAST (primarily to ensure that agency fleet MIS's producing ALD-compatible data exports will remain functional for the immediate future), and "retirement" means that the data element will no longer be supported (i.e., it cannot be present within the incoming information).

*Basis for change: Rescission of underlying requirement.*

2. [BRR] Rule A-1.5, Unique Vehicle Identifier (flag): Rule has been revised to no longer include element S-4, EO 13693 Designation, in the set of data elements evaluated for year-to-year consistency for a given vehicle.

*Basis for change: Rescission of underlying requirement.*

3. [BRR] Rule A-9.3, Location Withheld (flag): Rule has been revised to no longer include element S-4, EO 13693 Designation, in the set of data elements evaluated for consistency with the vehicle's location withheld designation.

*Basis for change: Rescission of underlying requirement.*

4. [BRR] Rule S-4.1, EO 13693 Designation (block): Consistent with (1), above, rule has been designated for retirement for FY 2020 reporting.

*Basis for change: Rescission of underlying requirement.*

5. [BRR] Rule S-4.2, EO 13693 Designation (flag): Rule has been retired.

*Basis for change: Rescission of underlying requirement.*

## B - Changes to Tune Existing Business Rules

1. [BRR] Rule A-4.4, Model Year (flag): Rule has been revised from its current 2-year difference between model year and year of acquisition for all vehicles; it now uses a weight class-specific threshold. LD vehicles are flagged if model year differs from year of acquisition by more than 3 years, MD vehicles flagged if model year differs from year of acquisition by more than 6 years, and HD vehicles flagged if model year differs from year of acquisition by more than 12 years.

*Basis for change: Better identification of outliers, minimizing spurious flags.*

2. [BRR] Rule OC-1.6, Acquisition Cost (flag): Reasonability ranges for each vehicle class have been revised as follows to better identify outliers:

Ambulances:	20,000 - 200,000
Buses:	10,000 - 450,000
HD:	30,000 - 500,000
LD 4x2:	7,500 - 40,000
LD 4x4:	10,000 - 90,000
LSEVs:	5,000 - 30,000
MD:	12,500 - 120,000
Sedans/St Wgns:	7,500 - 75,000

*Basis for change: Better identification of outliers, minimizing spurious flags.*

3. [BRR] Rule OC-6.6, Miles Traveled (flag): Rule implementation and description have been revised to apply lower reasonability limits only to vehicles reported in inventory 6 or more months of the year for which data is being reported. Reasonability ranges for each vehicle class have been revised as follows:

Ambulances:	600 - 35,000
Buses:	1,200 - 60,000
HD:	300 - 50,000
LD 4x2:	1,200 - 30,000
LD 4x4:	1,200 - 40,000
LSEVs:	300 - 8,000
MD:	600 - 40,000
Sedans/St Wgns:	1,200 - 30,000

*Basis for change: Better identification of outliers, minimizing spurious flags.*

4. [BRR] OC-7.5, Lease Cost (flag): Rule implementation and description have been revised to apply lower reasonability limits only to leased vehicles reported in inventory 6 or more months of the year for which data is being reported. Reasonability ranges for each vehicle class have been revised as follows:

Ambulances:	1,200 - 60,000
Buses:	5,000 - 70,000
HD:	1,200 - 40,000
LD 4x2:	1,200 - 15,000
LD 4x4:	1,800 - 20,000
LSEVs:	1,800 - 3,500

MD: 1,500 - 20,000  
Sedans/St Wgns: 1,500 - 15,000

*Basis for change: Better identification of outliers, minimizing spurious flags.*

5. [BRR] OC-8.4, Maintenance Cost (flag): Rule implementation and description have been revised to apply lower reasonability limits only to vehicles reported in inventory 6 or more months of the year for which data is being reported. In addition, lower reasonability limits are not applied to GSA-leased vehicles or vehicles reported with A-7, Vehicle Fuel Type/Configuration specified as "ELE DE". Reasonability ranges have been revised as follows:

Ambulances:	100 - 10,000
Buses:	100 - 15,000
HD:	100 - 30,000
LD 4x2 (all agencies except USPS):	50 - 4,000
LD 4x2 (USPS):	500 - 13,500
LD 4x4:	50 - 6,500
LSEVs:	(n/a) - 7,000
MD:	100 - 8,000
Sedans/St Wgns:	50 - 3,500

*Basis for change: Better identification of outliers, minimizing spurious flags.*

6. [BRR] OC-9.4, Accident Repair Cost (flag): Rule implementation and description have been revised to no longer apply the upper reasonability limit (50% of reported acquisition cost) to leased vehicles and to only apply the upper reasonability limit to owned vehicles with reported acquisition costs greater than \$5,000.

*Basis for change: Better identification of outliers, minimizing spurious flags.*

7. [BRR] OC-10.4, Indirect Cost (flag): Rule implementation and description have been revised to apply upper reasonability limit only to vehicles reported in inventory 3 or more months of the year for which data is being reported. In addition, upper reasonability limit has been revised to \$1,872 (4x GSA guidance figure of \$468/year).

*Basis for change: Better identification of outliers, minimizing spurious flags.*

8. [BRR] OC-11.6, Disposal Cost (flag): Upper reasonability limit has been revised to #1,500.

*Basis for change: Better identification of outliers, minimizing spurious flags.*

9. [BRR] OC-12.7, Disposal Proceeds (flag): Rule implementation and description have been revised to no longer flag vehicles where the disposal proceeds exceed OC-1, Acquisition Cost if the reported acquisition cost is zero.

*Basis for change: Better identification of outliers, minimizing spurious flags.*

10. [BRR] F-4.6, Fuel Volume (flag): Rule description has been revised for clarity. In addition, the rule description and implementation have been revised to use an upper reasonability limit of 200

miles/GGE for all dedicated electric and plug-in hybrid electric vehicles with the exception of LSEV's (which are not checked by this rule. The rule implementation has been updated to ensure that fuel efficiency is calculated based on GGE's for all fuel types. Vehicle class-based reasonability ranges have been revised as follows:

Ambulances:	3 – 30
Buses:	2 – 25
HD:	2 – 20
LD 4x2 (all agencies except USPS):	8 – 35
LD 4x2 (USPS):	4 – 25
LD 4x4:	8 – 35
LSEVs:	n/a (unchanged; LSEV's are not checked)
MD:	3 – 30
Sedans/St Wgns:	10 – 50 (unchanged)

*Basis for change: Better identification of outliers, minimizing spurious flags, clarity of rule description.*

11. F-5.5, Fuel Cost (flag): Rule description and implementation have been revised to clarify that both the upper and lower reasonability limits will be applied to the cost of fuel consumed in owned and dry lease vehicles, and that only the upper reasonability limit will be applied to the cost of fuel consumed in wet lease vehicles.

*Basis for change: Better identification of outliers, minimizing spurious flags, clarity of rule description.*

## C - Other Changes to Improve the ALD and/or Reporting Process

1. [BRR] Rule A-6.1 (block): Existing vehicle type enumeration “Ambulance” has been designated as deprecated for FY 2018 and later reporting and will be retired for no sooner than FY 2020 reporting. The “Ambulance” vehicle type will be replaced with “MD Ambulance” for consistency with its LD and HD counterparts, carrying an explicit weight class designation. (Note that current “Ambulance” enumeration is in fact an MD weight class designation; this change makes that designation explicit and was requested by several organizations in migrating to ALD.) Identical changes have been made to analogous rules AP-3.1, DP-3.1 within the future-year acquisitions and disposals areas of the data. Corresponding changes are also reflected to Appendix B of the BRR.

*Basis for change: Consistency, clarity of reported data.*

2. [BRR] Rule A-10.5, Garage – ZIP (block): Rule has been revised to allow use of “U” class ZIP codes (ZIP codes assigned to unique organizations, buildings, facilities, or campuses) for designating garage location of vehicles.

*Basis for change: Ease of reporting.*

3. [BRR] OW-1.3, Acquisition Date (flag): Rule description has been clarified to indicate that this rule is not checked for vehicles in agency fleets in the first year the agency submits ALD.

*Basis for change: Clarity of rule description, consistency of description with other similar rules.*

4. [DER, BRR] OW-4, Disposal Date: Element name has been changed from “Actual Disposal Date” to “Disposal Date”. The inclusion of “Actual” within the element name was a vestige of an early version of the data element list where both estimated and actual disposal dates were to be collected; with the decision to not collect an estimated or forecast disposal date, the inclusion of “Actual” within this element’s title is no longer needed.

*Basis for change: Consistency of element naming, consistency with reporting template.*

5. [DER, BRR] OW-5, Disposal Reason: Element name has been changed from “Actual Disposal Reason” to “Disposal Reason”, based on the same reasoning as C.4, above.

*Basis for change: Consistency of element naming, consistency with reporting template.*

6. [BRR] S-7.3, Emergency Response Designation (block): Rule implementation has been corrected to ensure ambulances are designated as emergency response vehicles.

*Basis for change: Identification of implementation issue.*

7. [BRR] OC-7.4, Lease Cost (block): Rule description has been clarified to note that lease cost must be explicitly reported, even if zero, for leased vehicles.

*Basis for change: Clarification of rule.*

8. [BRR] Rule F-2.3, Fuel Type (flag): New rule has been added to flag vehicles reporting non-zero consumption of fuel B100 without also reporting non-zero consumption of DSL. Rule is not applied to vehicles which are not capable of consuming B100 fuel, as these will already be flagged by existing rule F-2.2 (indicating a mismatch between the vehicle's fuel type/configuration and the reported consumption).

*Basis for change: Identification of data quality issue.*

9. [BRR] Rule F-5.4, Fuel Cost (flag): Existing rule description has been clarified with respect to handling of non-zero fuel costs reported on wet lease vehicles. Existing rule description and implementation have been revised to correctly flag instances where an owned or dry lease vehicle is reported with zero fuel costs on non-zero fuel volumes.

*Basis for change: Clarity of rule description, identification of data quality issue.*

10. [BRR] AP-7.2, Emergency Response Designation (block): Rule implementation has been corrected to ensure projected ambulance acquisitions are designated as emergency response vehicles.

*Basis for change: Identification of implementation issue.*

11. [BRR] AP-10, Acquisition Costs: Existing flagging rule AP-10.4 has been re-sequenced to AP-10.5, and a new blocking rule AP-10.4 has been implemented to ensure consistency of acquisition costs and acquisition quantity (AP-9): if AP-9, Quantity is zero, AP-10, Acquisition Cost must be omitted or reported as zero.

*Basis for change: Identification of data quality issue.*

12. [BRR] DP-7.2, Emergency Response Designation (block): Rule implementation has been corrected to ensure projected ambulance disposals are designated as emergency response vehicles.

*Basis for change: Identification of implementation issue.*

13. [BRR] DP-11, Disposal Proceeds: Existing flagging rule DP-11.6 has been re-sequenced to DP-11.7. New blocking rule DP-11.6 has been implemented to ensure consistency of disposal proceeds and disposal quantity (DP-9): if DP-9, Quantity is zero, DP-11, Disposal Proceeds must either be omitted or reported as zero.

*Basis for change: Identification of data quality issue.*

14. [DER] CP-4, Operating Costs: Element description has been revised to include explicit clarification that costs reported under this data element are not to include depreciation for clearer alignment with OMB's A-11 fleet cost reporting guidance.

*Basis for change: Clarity of rule description.*